



## SEQUENCE LISTING

<110> Yousef, George M.  
Diamandis, Eleftherios

<120> Novel Human Kallikrein-Like Genes

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<151> 2000-03-09

<150> US 60/124,260  
<151> 1999-03-11

<150> US 60/127,386  
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<150> US 60/144,919  
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Arg Lys Pro Tyr Leu Trp Val Arg Leu Gly Glu His His Leu Trp Lys  
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Trp Glu Gly Pro Glu Gln Leu Phe Arg Val Thr Asp Phe Phe Pro His  
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Pro Gly Phe Asn Lys Asp Leu Ser Ala Asn Asp His Asn Asp Asp Ile  
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His Leu Asn His Asp His Asp Ile Met Leu Leu Glu Leu Gln Ser Pro  
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 Thr His Pro Gly Tyr Leu Gly Ala Ser Thr Ser His Glu His Asp Leu  
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 Arg Leu Leu Arg Leu Arg Leu Pro Val Arg Val Thr Ser Ser Val Gln  
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 Pro Leu Pro Leu Pro Asn Asp Cys Ala Thr Ala Gly Thr Glu Cys His  
 115 120 125  
 Val Ser Gly Trp Gly Ile Thr Asn His Pro Arg Asn Pro Phe Pro Asp  
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Val Pro Gly Gln Asp Ala Cys Gln  
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Gln Pro Trp Gln Val Gly Leu Phe Glu Gly Thr Ser Leu Arg Cys Gly  
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Gly Val Leu Ile Asp His Arg Trp Val Leu Thr Ala Ala His Cys Ser  
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Gly Arg Pro Ile Pro Gly Ser Ala Pro Val Pro Gln Pro Leu His Arg  
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Leu Pro Cys His Leu Pro Trp Cys Val Ser Arg Glu Asn His Glu Gln  
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His Gly Val Cys Arg Arg Arg Pro Gly Ala Gly Cys Leu Pro Gly  
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Gln Pro Trp Gln Val Gly Leu Phe Glu Gly Thr Ser Leu Arg Cys Gly  
35 40 45

Gly Val Leu Ile Asp His Arg Trp Val Leu Thr Ala Ala His Cys Ser  
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Gly Ser Arg Tyr Trp Val Arg Leu Gly Glu His Ser Leu Ser Gln Leu  
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Asp Trp Thr Glu Gln Ile Arg His Ser Gly Phe Ser Val Thr His Pro  
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Gly Tyr Leu Gly Ala Ser Thr Ser His Glu His Asp Leu Arg Leu Leu  
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Trp Gly Ile Thr Asn His Pro Arg Asn Pro Phe Pro Asp Leu Leu Gln  
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Cys Leu Asn Leu Ser Ile Val Ser His Ala Thr Cys His Gly Val Tyr  
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Pro Gly Arg Ile Thr Ser Asn Met Val Cys Ala Gly Gly Val Pro Gly  
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Gln Asp Ala Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Gly Gly  
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Val Leu Gln Gly Leu Val Ser Trp Gly Ser Val Gly Pro Cys Gly Gln  
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<210> 66  
 <211> 237  
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 <213> Homo sapiens

<400> 66

Met Thr Gln Ser Gln Glu Asp Glu Asn Lys Ile Ile Gly Gly His Thr  
1 5 10 15

Cys Thr Arg Ser Ser Gln Pro Trp Gln Ala Ala Leu Leu Ala Gly Pro  
20 25 30

Arg Arg Arg Phe Leu Cys Gly Gly Ala Leu Leu Ser Gly Gln Trp Val  
35 40 45

Ile Thr Ala Ala His Cys Gly Arg Pro Ile Leu Gln Val Ala Leu Gly  
50 55 60

Lys His Asn Leu Arg Arg Trp Glu Ala Thr Gln Gln Val Leu Arg Val  
65 70 75 80

Val Arg Gln Val Thr His Pro Asn Tyr Asn Ser Arg Thr His Asp Asn  
85 90 95

Asp Leu Met Leu Leu Gln Leu Gln Gln Pro Ala Arg Ile Gly Arg Ala  
100 105 110

Val Arg Pro Ile Glu Val Thr Gln Ala Cys Ala Ser Pro Gly Thr Ser  
115 120 125

Cys Arg Val Ser Gly Trp Gly Thr Ile Ser Ser Pro Ile Ala Arg Tyr  
130 135 140

Pro Ala Ser Leu Gln Cys Val Asn Ile Asn Ile Ser Pro Asp Glu Val  
145 150 155 160

Cys Gln Lys Ala Tyr Pro Arg Thr Ile Thr Pro Gly Met Val Cys Ala  
165 170 175

Gly Val Pro Gln Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly  
180 185 190

Pro Leu Val Cys Arg Gly Gln Leu Gln Gly Leu Val Ser Trp Gly Met  
195 200 205

Glu Arg Cys Ala Leu Pro Gly Tyr Pro Gly Val Tyr Thr Asn Leu Cys  
210 215 220

Lys Tyr Arg Ser Trp Ile Glu Glu Thr Met Arg Asp Lys  
225 230 235

<210> 67  
<211> 251

<212> PRT  
<213> Homo sapiens

<400> 67

Met Phe Leu Leu Leu Thr Ala Leu Gln Val Leu Ala Ile Ala Met Thr  
1 5 10 15

Gln Ser Gln Glu Asp Glu Asn Lys Ile Ile Gly Gly His Thr Cys Thr  
20 25 30

Arg Ser Ser Gln Pro Trp Gln Ala Ala Leu Leu Ala Gly Pro Arg Arg  
35 40 45

Arg Phe Leu Cys Gly Gly Ala Leu Leu Ser Gly Gln Trp Val Ile Thr  
50 55 60

Ala Ala His Cys Gly Arg Pro Ile Leu Gln Val Ala Leu Gly Lys His  
65 70 75 80

Asn Leu Arg Arg Trp Glu Ala Thr Gln Gln Val Leu Arg Val Val Arg  
85 90 95

Gln Val Thr His Pro Asn Tyr Asn Ser Arg Thr His Asp Asn Asp Leu  
100 105 110

Met Leu Leu Gln Leu Gln Gln Pro Ala Arg Ile Gly Arg Ala Val Arg  
115 120 125

Pro Ile Glu Val Thr Gln Ala Cys Ala Ser Pro Gly Thr Ser Cys Arg  
130 135 140

Val Ser Gly Trp Gly Thr Ile Ser Ser Pro Ile Ala Arg Tyr Pro Ala  
145 150 155 160

Ser Leu Gln Cys Val Asn Ile Asn Ile Ser Pro Asp Glu Val Cys Gln  
165 170 175

Lys Ala Tyr Pro Arg Thr Ile Thr Pro Gly Met Val Cys Ala Gly Val  
180 185 190

Pro Gln Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu  
195 200 205

Val Cys Arg Gly Gln Leu Gln Gly Leu Val Ser Trp Gly Met Glu Arg  
210 215 220

Cys Ala Leu Pro Gly Tyr Pro Gly Val Tyr Thr Asn Leu Cys Lys Tyr  
225 230 235 240

Arg Ser Trp Ile Glu Glu Thr Met Arg Asp Lys  
 245 250

<210> 68  
 <211> 249  
 <212> PRT  
 <213> Homo sapiens

<400> 68

Met Ala Thr Ala Gly Asn Pro Trp Gly Trp Phe Leu Gly Tyr Leu Ile  
 1 5 10 15

Leu Gly Val Ala Gly Ser Leu Val Ser Gly Ser Cys Ser Gln Ile Ile  
 20 25 30

Asn Gly Glu Asp Cys Ser Pro His Ser Gln Pro Trp Gln Ala Ala Leu  
 35 40 45

Val Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln  
 50 55 60

Trp Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly  
 65 70 75 80

Leu Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met  
 85 90 95

Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu  
 100 105 110

Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu  
 115 120 125

Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala  
 130 135 140

Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg  
 145 150 155 160

Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu Glu  
 165 170 175

Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys  
 180 185 190

Ala Gly Gly Gly His Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly  
 195 200 205

Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly  
 210 215 220

Lys Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn Leu  
 225 230 235 240

Cys Lys Phe Thr Glu Trp Ile Glu Lys  
 245

<210> 69  
 <211> 253  
 <212> PRT  
 <213> Homo sapiens

<400> 69

Met Ala Thr Ala Gly Asn Pro Trp Gly Trp Phe Leu Gly Tyr Leu Ile  
 1 5 10 15

Leu Gly Val Ala Gly Ser Leu Val Ser Gly Glu Met Ser Pro Ser Cys  
 20 25 30

Ser Gln Ile Ile Asn Gly Glu Asp Cys Ser Pro His Ser Gln Pro Trp  
 35 40 45

Gln Ala Ala Leu Val Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu  
 50 55 60

Val His Pro Gln Trp Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser  
 65 70 75 80

Tyr Thr Ile Gly Leu Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro  
 85 90 95

Gly Ser Gln Met Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr  
 100 105 110

Asn Arg Pro Leu Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu  
 115 120 125

Ser Val Ser Glu Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln  
 130 135 140

Cys Pro Thr Ala Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu  
 145 150 155 160

Ala Asn Gly Arg Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val  
 165 170 175

Val Ser Glu Glu Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro  
 180 185 190

Ser Met Phe Cys Ala Gly Gly Gly His Asp Gln Lys Asp Ser Cys Asn  
195 200 205

Gly Asp Ser Gly Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu  
210 215 220

Val Ser Phe Gly Lys Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val  
225 230 235 240

Tyr Thr Asn Leu Cys Lys Phe Thr Glu Trp Ile Glu Lys  
245 250

<210> 70  
<211> 287  
<212> PRT  
<213> Homo sapiens

<400> 70

Met Ala Thr Ala Arg Pro Pro Trp Met Trp Val Leu Cys Ala Leu Ile  
1 5 10 15

Thr Ala Leu Leu Leu Gly Val Thr Glu His Val Leu Ala Asn Asn Asp  
20 25 30

Val Ser Cys Asp His Pro Ser Asn Thr Val Pro Ser Gly Ser Asn Gln  
35 40 45

Asp Leu Gly Ala Gly Ala Gly Glu Asp Ala Arg Ser Asp Asp Ser Ser  
50 55 60

Ser Arg Ile Ile Asn Gly Ser Asp Cys Asp Met His Thr Gln Pro Trp  
65 70 75 80

Gln Ala Ala Leu Leu Leu Arg Pro Asn Gln Leu Tyr Cys Gly Ala Val  
85 90 95

Leu Val His Pro Gln Trp Leu Leu Thr Ala Ala His Cys Arg Lys Lys  
100 105 110

Val Phe Arg Val Arg Leu Gly His Tyr Ser Leu Ser Pro Val Tyr Glu  
115 120 125

Ser Gly Gln Gln Met Phe Gln Gly Val Lys Ser Ile Pro His Pro Gly  
130 135 140

Tyr Ser His Pro Gly His Ser Asn Asp Leu Met Leu Ile Lys Leu Asn  
145 150 155 160

Arg Arg Ile Arg Pro Thr Lys Asp Val Arg Pro Ile Asn Val Ser Ser  
165 170 175

His Cys Pro Ser Ala Gly Thr Lys Cys Leu Val Ser Gly Trp Gly Thr  
180 185 190

Thr Lys Ser Pro Gln Val His Phe Pro Lys Val Leu Gln Cys Leu Asn  
195 200 205

Ile Ser Val Leu Ser Gln Lys Arg Cys Glu Asp Ala Tyr Pro Arg Gln  
210 215 220

Ile Asp Asp Thr Met Phe Cys Ala Gly Asp Lys Ala Gly Arg Asp Ser  
225 230 235 240

Cys Gln Gly Asp Ser Gly Gly Pro Val Val Cys Asn Gly Ser Leu Gln  
245 250 255

Gly Leu Val Ser Trp Gly Asp Tyr Pro Cys Ala Arg Pro Asn Arg Pro  
260 265 270

Gly Val Tyr Thr Asn Leu Cys Lys Phe Thr Lys Trp Ile Gln Glu  
275 280 285

<210> 71  
<211> 239  
<212> PRT  
<213> Homo sapiens

<400> 71

Met Lys Lys Leu Met Val Val Leu Ser Leu Ile Ala Ala Ala Trp Ala  
1 5 10 15

Glu Glu Gln Asn Lys Leu Val His Gly Gly Pro Cys Asp Lys Thr Ser  
20 25 30

His Pro Tyr Gln Ala Ala Leu Tyr Thr Ser Gly His Leu Leu Cys Gly  
35 40 45

Gly Val Leu Ile His Pro Leu Trp Val Leu Thr Ala Ala His Cys Lys  
50 55 60

Lys Pro Asn Leu Gln Val Phe Leu Gly Lys His Asn Leu Arg Gln Arg  
65 70 75 80

Glu Ser Ser Gln Glu Gln Ser Ser Val Val Arg Ala Val Ile His Pro  
85 90 95

Asp Tyr Asp Ala Ala Ser His Asp Gln Asp Ile Met Leu Leu Arg Leu  
100 105 110



Ala Arg Pro Ala Lys Leu Ser Glu Leu Ile Gln Pro Leu Pro Leu Glu  
115 120 125

Arg Asp Cys Ser Ala Asn Thr Thr Ser Cys His Ile Leu Gly Trp Gly  
130 135 140

Lys Thr Ala Asp Gly Asp Phe Pro Asp Thr Ile Gln Cys Ala Tyr Ile  
145 150 155 160

His Leu Val Ser Arg Glu Glu Cys Glu His Ala Tyr Pro Gly Gln Ile  
165 170 175

Thr Gln Asn Met Leu Cys Ala Gly Asp Glu Lys Tyr Gly Lys Asp Ser  
180 185 190

Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Gly Asp His Leu Arg  
195 200 205

Gly Leu Val Ser Trp Gly Asn Ile Pro Cys Gly Ser Lys Glu Lys Pro  
210 215 220

Gly Val Tyr Thr Asn Val Cys Arg Tyr Thr Asn Trp Ile Gln Lys  
225 230 235

<210> 72  
<211> 275  
<212> PRT  
<213> Homo sapiens

<400> 72

Met Gly Arg Pro Arg Pro Arg Ala Ala Lys Thr Trp Met Phe Leu Leu  
1 5 10 15

Leu Leu Gly Gly Ala Trp Ala Gly His Ser Arg Ala Gln Glu Asp Lys  
20 25 30

Val Leu Gly Gly His Glu Cys Gln Pro His Ser Gln Pro Trp Gln Ala  
35 40 45

Ala Leu Phe Gln Gly Gln Gln Leu Leu Cys Gly Gly Val Leu Val Gly  
50 55 60

Gly Asn Trp Val Leu Thr Ala Ala His Cys Lys Lys Pro Lys Tyr Thr  
65 70 75 80

Val Arg Leu Gly Asp His Ser Leu Gln Asn Lys Asp Gly Pro Glu Gln  
85 90 95

Glu Ile Pro Val Val Gln Ser Ile Pro His Pro Cys Tyr Asn Ser Ser  
100 105 110

Asp Val Glu Asp His Asn His Asp Leu Met Leu Leu Gln Leu Arg Asp  
115 120 125

Gln Ala Ser Leu Gly Ser Lys Val Lys Pro Ile Ser Leu Ala Asp His  
130 135 140

Cys Thr Gln Pro Gly Gln Lys Cys Thr Val Ser Gly Trp Gly Thr Val  
145 150 155 160

Thr Ser Pro Arg Glu Asn Phe Pro Asp Thr Leu Asn Cys Ala Glu Val  
165 170 175

Lys Ile Phe Pro Gln Lys Lys Cys Glu Asp Ala Tyr Pro Gly Gln Ile  
180 185 190

Thr Asp Gly Met Val Cys Ala Gly Ser Ser Lys Gly Ala Asp Thr Cys  
195 200 205

Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Asp Gly Ala Leu Gln Gly  
210 215 220

Ile Thr Ser Trp Gly Ser Asp Pro Cys Gly Arg Ser Asp Lys Pro Gly  
225 230 235 240

Val Tyr Thr Asn Ile Cys Arg Tyr Leu Asp Trp Ile Lys Lys Thr Leu  
245 250 255

Ser Pro Met Arg Ile Leu Gln Leu Ile Leu Leu Ala Leu Ala Thr Gly  
260 265 270

Leu Val Gly  
275

<210> 73  
<211> 228  
<212> PRT  
<213> Homo sapiens  
<400> 73

Gly Glu Thr Arg Ile Ile Lys Gly Phe Glu Cys Lys Pro His Ser Gln  
1 5 10 15

Pro Trp Gln Ala Ala Leu Phe Glu Lys Thr Arg Leu Leu Cys Gly Ala  
20 25 30

Thr Leu Ile Ala Pro Arg Trp Leu Leu Thr Ala Ala His Cys Leu Lys  
35 40 45

Pro Arg Tyr Ile Val His Leu Gly Gln His Asn Leu Gln Lys Glu Glu  
50 55 60

Gly Cys Glu Gln Thr Arg Thr Ala Thr Glu Ser Phe Pro His Pro Gly  
65 70 75 80

Phe Asn Asn Ser Leu Pro Asn Lys Asp His Arg Asn Asp Ile Met Leu  
85 90 95

Val Lys Met Ala Ser Pro Val Ser Ile Thr Trp Ala Val Arg Pro Leu  
100 105 110

Thr Leu Ser Ser Arg Cys Val Thr Ala Gly Thr Ser Cys Leu Ile Ser  
115 120 125

Gly Trp Gly Ser Thr Ser Ser Pro Gln Leu Arg Leu Pro His Thr Leu  
130 135 140

Arg Cys Ala Asn Ile Thr Ile Ile Glu His Gln Lys Cys Glu Asn Ala  
145 150 155 160

Tyr Pro Gly Asn Ile Thr Asp Thr Met Val Cys Ala Ser Val Gln Glu  
165 170 175

Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys  
180 185 190

Asn Gln Ser Leu Gln Gly Ile Ile Ser Trp Gly Gln Asp Pro Cys Ala  
195 200 205

Ile Thr Arg Lys Pro Gly Val Tyr Thr Lys Val Cys Lys Tyr Val Asp  
210 215 220

Trp Ile Gln Glu  
225

<210> 74  
<211> 255  
<212> PRT  
<213> Homo sapiens

<400> 74

Met Trp Val Pro Val Val Phe Leu Thr Leu Ser Val Thr Trp Ile Gly  
1 5 10 15

Ala Ala Pro Leu Ile Leu Ser Arg Ile Val Gly Gly Trp Glu Cys Glu  
20 25 30

Lys His Ser Gln Pro Trp Gln Val Leu Val Ala Ser Arg Gly Arg Ala  
35 40 45

Val Cys Gly Gly Val Leu Val His Pro Gln Trp Val Leu Thr Ala Ala  
50 55 60

His Cys Ile Arg Asn Lys Ser Val Ile Leu Leu Gly Arg His Ser Leu  
65 70 75 80

Phe His Pro Glu Asp Thr Gly Gln Val Phe Gln Val Ser His Ser Phe  
85 90 95

Pro His Pro Leu Tyr Asp Met Ser Leu Leu Lys Asn Arg Phe Leu Arg  
100 105 110

Pro Gly Asp Asp Ser Ser His Asp Leu Met Leu Leu Arg Leu Ser Glu  
115 120 125

Pro Ala Glu Leu Thr Asp Ala Val Lys Val Met Asp Leu Pro Thr Gln  
130 135 140

Glu Pro Ala Leu Gly Thr Thr Cys Tyr Ala Ser Gly Trp Gly Ser Ile  
145 150 155 160

Glu Pro Glu Glu Phe Leu Thr Pro Lys Lys Leu Gln Cys Val Asp Leu  
165 170 175

His Val Ile Ser Asn Asp Val Cys Ala Gln Val His Pro Gln Lys Val  
180 185 190

Thr Lys Phe Met Leu Cys Ala Gly Arg Trp Thr Gly Gly Lys Ser Thr  
195 200 205

Cys Ser Gly Asp Ser Gly Gly Pro Leu Val Cys Asn Gly Val Leu Gln  
210 215 220

Gly Ile Thr Ser Trp Gly Ser Glu Pro Cys Ala Leu Pro Glu Arg Pro  
225 230 235 240

Ser Leu Tyr Thr Lys Val Val His Tyr Arg Lys Trp Ile Lys Asp  
245 250 255

<210> 75  
<211> 255  
<212> PRT  
<213> Homo sapiens

<400> 75

Met Trp Asp Leu Val Leu Ser Ile Ala Leu Ser Val Gly Cys Thr Gly  
1 5 10 15

Ala Val Pro Leu Ile Gln Ser Arg Ile Val Gly Gly Trp Glu Cys Glu  
                   20                                  25                                  30  
 Lys His Ser Gln Pro Trp Gln Val Ala Val Tyr Ser His Gly Trp Ala  
                   35                                  40                                  45  
 His Cys Gly Gly Val Leu Val His Pro Gln Trp Val Leu Thr Ala Ala  
                   50                                  55                                  60  
 His Cys Leu Lys Lys Asn Ser Gln Val Trp Leu Gly Arg His Asn Leu  
   65                                  70                                  75                                  80  
 Phe Glu Pro Glu Asp Thr Gly Gln Arg Val Pro Val Ser His Ser Phe  
                                   85                                  90                                  95  
 Pro His Pro Leu Tyr Asn Met Ser Leu Leu Lys His Gln Ser Leu Arg  
                   100                                  105                                  110  
 Pro Asp Glu Asp Ser Ser His Asp Leu Met Leu Leu Arg Leu Ser Glu  
                   115                                  120                                  125  
 Pro Ala Lys Ile Thr Asp Val Val Lys Val Leu Gly Leu Pro Thr Gln  
                   130                                  135                                  140  
 Glu Pro Ala Leu Gly Thr Thr Cys Tyr Ala Ser Gly Trp Gly Ser Ile  
   145                                  150                                  155                                  160  
 Glu Pro Glu Glu Phe Leu Arg Pro Arg Ser Leu Gln Cys Val Ser Leu  
                                   165                                  170                                  175  
 His Leu Leu Ser Asn Asp Met Cys Ala Arg Ala Tyr Ser Glu Lys Val  
                   180                                  185                                  190  
 Thr Glu Phe Met Leu Cys Ala Gly Leu Trp Thr Gly Gly Lys Asp Thr  
                   195                                  200                                  205  
 Cys Gly Gly Asp Ser Gly Gly Pro Leu Val Cys Asn Gly Val Leu Gln  
                   210                                  215                                  220  
 Gly Ile Thr Ser Trp Gly Pro Glu Pro Cys Ala Leu Pro Glu Lys Pro  
   225                                  230                                  235                                  240  
 Ala Val Tyr Thr Lys Val Val His Tyr Arg Lys Trp Ile Lys Asp  
                                   245                                  250                                  255

<210> 76  
 <211> 256  
 <212> PRT  
 <213> Homo sapiens

<400> 76

Met Trp Phe Leu Val Leu Cys Leu Ala Leu Ser Leu Gly Gly Thr Gly  
1 5 10 15  
Ala Ala Pro Pro Ile Gln Ser Arg Ile Val Gly Gly Trp Glu Cys Glu  
20 25 30  
Gln His Ser Gln Pro Trp Gln Ala Ala Leu Tyr His Phe Ser Thr Phe  
35 40 45  
Gln Cys Gly Gly Ile Leu Val His Arg Gln Trp Val Leu Thr Ala Ala  
50 55 60  
His Cys Ile Ser Asp Asn Tyr Gln Leu Trp Leu Gly Arg His Asn Leu  
65 70 75 80  
Phe Asp Asp Glu Asn Thr Ala Gln Phe Val His Val Ser Glu Ser Phe  
85 90 95  
Pro His Pro Gly Phe Asn Met Ser Leu Leu Glu Asn His Thr Arg Gln  
100 105 110  
Ala Asp Glu Asp Tyr Ser His Asp Leu Met Leu Leu Arg Leu Thr Glu  
115 120 125  
Pro Ala Asp Thr Ile Thr Asp Ala Val Lys Val Val Glu Leu Pro Thr  
130 135 140  
Glu Glu Pro Glu Val Gly Ser Thr Cys Leu Ala Ser Gly Trp Gly Ser  
145 150 155 160  
Ile Glu Pro Glu Asn Phe Ser Phe Pro Asp Asp Leu Gln Cys Val Asp  
165 170 175  
Leu Lys Ile Leu Pro Asn Asp Glu Cys Lys Lys Ala His Val Gln Lys  
180 185 190  
Val Thr Asp Phe Met Leu Cys Val Gly His Leu Glu Gly Gly Lys Asp  
195 200 205  
Thr Cys Val Gly Asp Ser Gly Gly Pro Leu Met Cys Asp Gly Val Leu  
210 215 220  
Gln Gly Val Thr Ser Trp Gly Tyr Val Pro Cys Gly Thr Pro Asn Lys  
225 230 235 240  
Pro Ser Val Ala Val Arg Val Leu Ser Tyr Val Lys Trp Ile Glu Asp  
245 250 255

<210> 77  
 <211> 241  
 <212> PRT  
 <213> Homo sapiens

<400> 77

Met Asn Pro Leu Leu Ile Leu Thr Phe Val Ala Ala Ala Leu Ala Ala  
 1 5 10 15

Pro Phe Asp Asp Asp Lys Ile Val Gly Gly Tyr Asn Cys Glu Glu  
 20 25 30

Asn Ser Val Pro Tyr Gln Val Ser Leu Asn Ser Gly Tyr His Phe Cys  
 35 40 45

Gly Gly Ser Leu Ile Asn Glu Gln Trp Val Val Ser Ala Gly His Cys  
 50 55 60

Tyr Lys Ser Arg Ile Gln Val Arg Leu Gly Glu His Asn Ile Glu Val  
 65 70 75 80

Leu Glu Gly Asn Glu Gln Phe Ile Asn Ala Ala Lys Ile Ile Arg His  
 85 90 95

Pro Gln Tyr Asp Arg Lys Thr Leu Asn Asn Asp Ile Met Leu Ile Lys  
 100 105 110

Leu Ser Ser Arg Ala Val Ile Asn Ala Arg Val Ser Thr Ile Ser Leu  
 115 120 125

Pro Thr Ala Pro Pro Ala Thr Gly Thr Lys Cys Leu Ile Ser Gly Trp  
 130 135 140

Gly Asn Thr Ala Ser Ser Gly Ala Asp Tyr Pro Asp Glu Leu Gln Cys  
 145 150 155 160

Leu Asp Ala Pro Val Leu Ser Gln Ala Lys Cys Glu Ala Ser Tyr Pro  
 165 170 175

Gly Lys Ile Thr Ser Asn Met Phe Cys Val Gly Phe Leu Glu Gly Gly  
 180 185 190

Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Val Val Cys Asn Gly  
 195 200 205

Gln Leu Gln Gly Val Val Ser Trp Gly Asp Gly Cys Ala Gln Lys Asn  
 210 215 220

Lys Pro Gly Val Tyr Thr Lys Val Tyr Asn Tyr Val Lys Trp Ile Lys

225 230 235 240

Asn

<210> 78  
 <211> 261  
 <212> PRT  
 <213> Homo sapiens

<400> 78

Met Trp Val Pro Val Val Phe Leu Thr Leu Ser Val Thr Trp Ile Gly  
 1 5 10 15  
 Ala Ala Pro Leu Ile Leu Ser Arg Ile Val Gly Gly Trp Glu Cys Glu  
 20 25 30  
 Lys His Ser Gln Pro Trp Gln Val Leu Val Ala Ser Arg Gly Arg Ala  
 35 40 45  
 Val Cys Gly Gly Val Leu Val His Pro Gln Trp Val Leu Thr Ala Ala  
 50 55 60  
 His Cys Ile Arg Asn Lys Ser Val Ile Leu Leu Gly Arg His Ser Leu  
 65 70 75 80  
 Phe His Pro Glu Asp Thr Gly Gln Val Phe Gln Val Ser His Ser Phe  
 85 90 95  
 Pro His Pro Leu Tyr Asp Met Ser Leu Leu Lys Asn Arg Phe Leu Arg  
 100 105 110  
 Pro Gly Asp Asp Ser Ser His Asp Leu Met Leu Leu Arg Leu Ser Glu  
 115 120 125  
 Pro Ala Glu Leu Thr Asp Ala Val Lys Val Met Asp Leu Pro Thr Gln  
 130 135 140  
 Glu Pro Ala Leu Gly Thr Thr Cys Tyr Ala Ser Gly Trp Gly Ser Ile  
 145 150 155 160  
 Glu Pro Glu Glu Phe Leu Thr Pro Lys Lys Leu Gln Cys Val Asp Leu  
 165 170 175  
 His Val Ile Ser Asn Asp Val Cys Ala Gln Val His Pro Gln Lys Val  
 180 185 190  
 Thr Lys Phe Met Leu Cys Ala Gly Arg Trp Thr Gly Gly Lys Ser Thr  
 195 200 205



Cys Ser Gly Asp Ser Gly Gly Pro Leu Val Cys Asn Gly Val Leu Gln  
210 215 220

Gly Ile Thr Ser Trp Gly Ser Glu Pro Cys Ala Leu Pro Glu Arg Pro  
225 230 235 240

Ser Leu Tyr Thr Lys Val Val His Tyr Arg Lys Trp Ile Lys Asp Thr  
245 250 255

Ile Val Ala Asn Pro  
260

<210> 79  
<211> 261  
<212> PRT  
<213> Homo sapiens

<400> 79

Met Trp Asp Leu Val Leu Ser Ile Ala Leu Ser Val Gly Cys Thr Gly  
1 5 10 15

Ala Val Pro Leu Ile Gln Ser Arg Ile Val Gly Gly Trp Glu Cys Glu  
20 25 30

Lys His Ser Gln Pro Trp Gln Val Ala Val Tyr Ser His Gly Trp Ala  
35 40 45

His Cys Gly Gly Val Leu Val His Pro Gln Trp Val Leu Thr Ala Ala  
50 55 60

His Cys Leu Lys Lys Asn Ser Gln Val Trp Leu Gly Arg His Asn Leu  
65 70 75 80

Phe Glu Pro Glu Asp Thr Gly Gln Arg Val Pro Val Ser His Ser Phe  
85 90 95

Pro His Pro Leu Tyr Asn Met Ser Leu Leu Lys His Gln Ser Leu Arg  
100 105 110

Pro Asp Glu Asp Ser Ser His Asp Leu Met Leu Leu Arg Leu Ser Glu  
115 120 125

Pro Ala Lys Ile Thr Asp Val Val Lys Val Leu Gly Leu Pro Thr Gln  
130 135 140

Glu Pro Ala Leu Gly Thr Thr Cys Tyr Ala Ser Gly Trp Gly Ser Ile  
145 150 155 160

Glu Pro Glu Glu Phe Leu Arg Pro Arg Ser Leu Gln Cys Val Ser Leu

	165		170		175										
His	Leu	Leu	Ser	Asn	Asp	Met	Cys	Ala	Arg	Ala	Tyr	Ser	Glu	Lys	Val
			180					185					190		
Thr	Glu	Phe	Met	Leu	Cys	Ala	Gly	Leu	Trp	Thr	Gly	Gly	Lys	Asp	Thr
		195					200					205			
Cys	Gly	Gly	Asp	Ser	Gly	Gly	Pro	Leu	Val	Cys	Asn	Gly	Val	Leu	Gln
	210					215					220				
Gly	Ile	Thr	Ser	Trp	Gly	Pro	Glu	Pro	Cys	Ala	Leu	Pro	Glu	Lys	Pro
225					230					235					240
Ala	Val	Tyr	Thr	Lys	Val	Val	His	Tyr	Arg	Lys	Trp	Ile	Lys	Asp	Thr
				245					250					255	
Ile	Ala	Ala	Asn	Pro											
			260												
<210>	80														
<211>	262														
<212>	PRT														
<213>	Homo sapiens														
<400>	80														
Met	Trp	Phe	Leu	Val	Leu	Cys	Leu	Ala	Leu	Ser	Leu	Gly	Gly	Thr	Gly
1			5						10					15	
Ala	Ala	Pro	Pro	Ile	Gln	Ser	Arg	Ile	Val	Gly	Gly	Trp	Glu	Cys	Glu
			20					25					30		
Gln	His	Ser	Gln	Pro	Trp	Gln	Ala	Ala	Leu	Tyr	His	Phe	Ser	Thr	Phe
		35					40					45			
Gln	Cys	Gly	Gly	Ile	Leu	Val	His	Arg	Gln	Trp	Val	Leu	Thr	Ala	Ala
	50					55					60				
His	Cys	Ile	Ser	Asp	Asn	Tyr	Gln	Leu	Trp	Leu	Gly	Arg	His	Asn	Leu
65					70					75				80	
Phe	Asp	Asp	Glu	Asn	Thr	Ala	Gln	Phe	Val	His	Val	Ser	Glu	Ser	Phe
				85					90					95	
Pro	His	Pro	Gly	Phe	Asn	Met	Ser	Leu	Leu	Glu	Asn	His	Thr	Arg	Gln
			100					105					110		
Ala	Asp	Glu	Asp	Tyr	Ser	His	Asp	Leu	Met	Leu	Leu	Arg	Leu	Thr	Glu
		115					120					125			

Pro Ala Asp Thr Ile Thr Asp Ala Val Lys Val Val Glu Leu Pro Thr  
 130 135 140  
 Glu Glu Pro Glu Val Gly Ser Thr Cys Leu Ala Ser Gly Trp Gly Ser  
 145 150 155 160  
 Ile Glu Pro Glu Asn Phe Ser Phe Pro Asp Asp Leu Gln Cys Val Asp  
 165 170 175  
 Leu Lys Ile Leu Pro Asn Asp Glu Cys Lys Lys Ala His Val Gln Lys  
 180 185 190  
 Val Thr Asp Phe Met Leu Cys Val Gly His Leu Glu Gly Gly Lys Asp  
 195 200 205  
 Thr Cys Val Gly Asp Ser Gly Gly Pro Leu Met Cys Asp Gly Val Leu  
 210 215 220  
 Gln Gly Val Thr Ser Trp Gly Tyr Val Pro Cys Gly Thr Pro Asn Lys  
 225 230 235 240  
 Pro Ser Val Ala Val Arg Val Leu Ser Tyr Val Lys Trp Ile Glu Asp  
 245 250 255  
 Thr Ile Ala Glu Asn Ser  
 260

<210> 81  
 <211> 254  
 <212> PRT  
 <213> Homo sapiens

<400> 81

Met Ala Thr Ala Gly Asn Pro Trp Gly Trp Phe Leu Gly Tyr Leu Ile  
 1 5 10 15  
 Leu Gly Val Ala Gly Ser Leu Val Ser Gly Ser Cys Ser Gln Ile Ile  
 20 25 30  
 Asn Gly Glu Asp Cys Ser Pro His Ser Gln Pro Trp Gln Ala Ala Leu  
 35 40 45  
 Val Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln  
 50 55 60  
 Trp Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly  
 65 70 75 80  
 Leu Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met



Tyr Lys Ser Arg Ile Gln Val Arg Leu Gly Glu His Asn Ile Glu Val  
65 70 75 80

Leu Glu Gly Asn Glu Gln Phe Ile Asn Ala Ala Lys Ile Ile Arg His  
85 90 95

Pro Gln Tyr Asp Arg Lys Thr Leu Asn Asn Asp Ile Met Leu Ile Lys  
100 105 110

Leu Ser Ser Arg Ala Val Ile Asn Ala Arg Val Ser Thr Ile Ser Leu  
115 120 125

Pro Thr Ala Pro Pro Ala Thr Gly Thr Lys Cys Leu Ile Ser Gly Trp  
130 135 140

Gly Asn Thr Ala Ser Ser Gly Ala Asp Tyr Pro Asp Glu Leu Gln Cys  
145 150 155 160

Leu Asp Ala Pro Val Leu Ser Gln Ala Lys Cys Glu Ala Ser Tyr Pro  
165 170 175

Gly Lys Ile Thr Ser Asn Met Phe Cys Val Gly Phe Leu Glu Gly Gly  
180 185 190

Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Val Val Cys Asn Gly  
195 200 205

Gln Leu Gln Gly Val Val Ser Trp Gly Asp Gly Cys Ala Gln Lys Asn  
210 215 220

Lys Pro Gly Val Tyr Thr Lys Val Tyr Asn Tyr Val Lys Trp Ile Lys  
225 230 235 240

Asn Thr Ile Ala Ala Asn Ser  
245

<210> 83  
<211> 260  
<212> PRT  
<213> Homo sapiens

<400> 83

Met Gly Arg Pro Arg Pro Arg Ala Ala Lys Thr Trp Met Phe Leu Leu  
1 5 10 15

Leu Leu Gly Gly Ala Trp Ala Gly His Ser Arg Ala Gln Glu Asp Lys  
20 25 30

Val Leu Gly Gly His Glu Cys Gln Pro His Ser Gln Pro Trp Gln Ala

35	40	45
Ala Leu Phe Gln Gly Gln Gln Leu Leu Cys Gly Gly Val Leu Val Gly		
50	55	60
Gly Asn Trp Val Leu Thr Ala Ala His Cys Lys Lys Pro Lys Tyr Thr		
65	70	80
Val Arg Leu Gly Asp His Ser Leu Gln Asn Lys Asp Gly Pro Glu Gln		
	85	90
Glu Ile Pro Val Val Gln Ser Ile Pro His Pro Cys Tyr Asn Ser Ser		
	100	105
Asp Val Glu Asp His Asn His Asp Leu Met Leu Leu Gln Leu Arg Asp		
	115	120
Gln Ala Ser Leu Gly Ser Lys Val Lys Pro Ile Ser Leu Ala Asp His		
	130	135
Cys Thr Gln Pro Gly Gln Lys Cys Thr Val Ser Gly Trp Gly Thr Val		
	145	150
Thr Ser Pro Arg Glu Asn Phe Pro Asp Thr Leu Asn Cys Ala Glu Val		
	165	170
Lys Ile Phe Pro Gln Lys Lys Cys Glu Asp Ala Tyr Pro Gly Gln Ile		
	180	185
Thr Asp Gly Met Val Cys Ala Gly Ser Ser Lys Gly Ala Asp Thr Cys		
	195	200
Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Asp Gly Ala Leu Gln Gly		
	210	215
Ile Thr Ser Trp Gly Ser Asp Pro Cys Gly Arg Ser Asp Lys Pro Gly		
	225	230
Val Tyr Thr Asn Ile Cys Arg Tyr Leu Asp Trp Ile Lys Lys Ile Ile		
	245	250
Gly Ser Lys Gly		
	260	

<210> 84  
 <211> 244  
 <212> PRT  
 <213> Homo sapiens  
 <400> 84

Met Lys Lys Leu Met Val Val Leu Ser Leu Ile Ala Ala Ala Trp Ala  
 1 5 10 15  
 Glu Glu Gln Asn Lys Leu Val His Gly Gly Pro Cys Asp Lys Thr Ser  
 20 25 30  
 His Pro Tyr Gln Ala Ala Leu Tyr Thr Ser Gly His Leu Leu Cys Gly  
 35 40 45  
 Gly Val Leu Ile His Pro Leu Trp Val Leu Thr Ala Ala His Cys Lys  
 50 55 60  
 Lys Pro Asn Leu Gln Val Phe Leu Gly Lys His Asn Leu Arg Gln Arg  
 65 70 75 80  
 Glu Ser Ser Gln Glu Gln Ser Ser Val Val Arg Ala Val Ile His Pro  
 85 90 95  
 Asp Tyr Asp Ala Ala Ser His Asp Gln Asp Ile Met Leu Leu Arg Leu  
 100 105 110  
 Ala Arg Pro Ala Lys Leu Ser Glu Leu Ile Gln Pro Leu Pro Leu Glu  
 115 120 125  
 Arg Asp Cys Ser Ala Asn Thr Thr Ser Cys His Ile Leu Gly Trp Gly  
 130 135 140  
 Lys Thr Ala Asp Gly Asp Phe Pro Asp Thr Ile Gln Cys Ala Tyr Ile  
 145 150 155 160  
 His Leu Val Ser Arg Glu Glu Cys Glu His Ala Tyr Pro Gly Gln Ile  
 165 170 175  
 Thr Gln Asn Met Leu Cys Ala Gly Asp Glu Lys Tyr Gly Lys Asp Ser  
 180 185 190  
 Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Gly Asp His Leu Arg  
 195 200 205  
 Gly Leu Val Ser Trp Gly Asn Ile Pro Cys Gly Ser Lys Glu Lys Pro  
 210 215 220  
 Gly Val Tyr Thr Asn Val Cys Arg Tyr Thr Asn Trp Ile Gln Lys Thr  
 225 230 235 240  
 Ile Gln Ala Lys

<210> 85  
 <211> 258  
 <212> PRT  
 <213> Homo sapiens

<400> 85

Met Ala Thr Ala Gly Asn Pro Trp Gly Trp Phe Leu Gly Tyr Leu Ile  
 1 5 10 15

Leu Gly Val Ala Gly Ser Leu Val Ser Gly Glu Met Ser Pro Ser Cys  
 20 25 30

Ser Gln Ile Ile Asn Gly Glu Asp Cys Ser Pro His Ser Gln Pro Trp  
 35 40 45

Gln Ala Ala Leu Val Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu  
 50 55 60

Val His Pro Gln Trp Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser  
 65 70 75 80

Tyr Thr Ile Gly Leu Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro  
 85 90 95

Gly Ser Gln Met Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr  
 100 105 110

Asn Arg Pro Leu Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu  
 115 120 125

Ser Val Ser Glu Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln  
 130 135 140

Cys Pro Thr Ala Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu  
 145 150 155 160

Ala Asn Gly Arg Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val  
 165 170 175

Val Ser Glu Glu Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro  
 180 185 190

Ser Met Phe Cys Ala Gly Gly Gly His Asp Gln Lys Asp Ser Cys Asn  
 195 200 205

Gly Asp Ser Gly Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu  
 210 215 220

Val Ser Phe Gly Lys Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val  
 225 230 235 240



Tyr Thr Asn Leu Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln  
245 250 255

Ala Ser

<210> 86  
<211> 250  
<212> PRT  
<213> Homo sapiens  
<400> 86

Met Arg Ile Leu Gln Leu Ile Leu Leu Ala Leu Ala Thr Gly Leu Val  
1 5 10 15

Gly Gly Glu Thr Arg Ile Ile Lys Gly Phe Glu Cys Lys Pro His Ser  
20 25 30

Gln Pro Trp Gln Ala Ala Leu Phe Glu Lys Thr Arg Leu Leu Cys Gly  
35 40 45

Ala Thr Leu Ile Ala Pro Arg Trp Leu Leu Thr Ala Ala His Cys Leu  
50 55 60

Lys Pro Arg Tyr Ile Val His Leu Gly Gln His Asn Leu Gln Lys Glu  
65 70 75 80

Glu Gly Cys Glu Gln Thr Arg Thr Ala Thr Glu Ser Phe Pro His Pro  
85 90 95

Gly Phe Asn Asn Ser Leu Pro Asn Lys Asp His Arg Asn Asp Ile Met  
100 105 110

Leu Val Lys Met Ala Ser Pro Val Ser Ile Thr Trp Ala Val Arg Pro  
115 120 125

Leu Thr Leu Ser Ser Arg Cys Val Thr Ala Gly Thr Ser Cys Leu Ile  
130 135 140

Ser Gly Trp Gly Ser Thr Ser Ser Pro Gln Leu Arg Leu Pro His Thr  
145 150 155 160

Leu Arg Cys Ala Asn Ile Thr Ile Ile Glu His Gln Lys Cys Glu Asn  
165 170 175

Ala Tyr Pro Gly Asn Ile Thr Asp Thr Met Val Cys Ala Ser Val Gln  
180 185 190

Glu Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Val  
195 200 205

Cys Asn Gln Ser Leu Gln Gly Ile Ile Ser Trp Gly Gln Asp Pro Cys  
210 215 220

Ala Ile Thr Arg Lys Pro Gly Val Tyr Thr Lys Val Cys Lys Tyr Val  
225 230 235 240

Asp Trp Ile Gln Glu Thr Met Lys Asn Asn  
245 250

<210> 87  
<211> 257  
<212> PRT  
<213> Homo sapiens

<400> 87

Met Ala Arg Ser Leu Leu Leu Pro Leu Gln Ile Leu Leu Leu Ser Leu  
1 5 10 15

Ala Leu Glu Thr Ala Gly Glu Glu Ala Gln Gly Asp Lys Ile Ile Asp  
20 25 30

Gly Ala Pro Cys Ala Arg Gly Ser His Pro Trp Gln Val Ala Leu Leu  
35 40 45

Ser Gly Asn Gln Leu His Cys His Ser Cys Cys Glu Gly Gly Val Leu  
50 55 60

Val Asn Glu Arg Trp Val Leu Thr Ala Ala His Cys Lys Met Asn Glu  
65 70 75 80

Tyr Thr Val His Leu Gly Ser Asp Thr Leu Gly Asp Arg Arg Ala Gln  
85 90 95

Arg Ile Lys Ala Ser Lys Ser Phe Arg His Pro Gly Tyr Ser Thr Gln  
100 105 110

Thr His Val Asn Asp Leu Met Leu Val Lys Leu Asn Ser Gln Ala Arg  
115 120 125

Leu Ser Ser Met Val Lys Lys Val Arg Leu Pro Ser Arg Cys Glu Pro  
130 135 140

Pro Gly Thr Thr Cys Thr Val Ser Gly Trp Gly Thr Thr Thr Ser Pro  
145 150 155 160

Asp Val Thr Phe Pro Asp Leu Met Cys Val Asp Val Lys Leu Ile Ser  
165 170 175

Pro Gln Asp Cys Thr Lys Val Tyr Lys Asp Leu Leu Glu Asn Ser Met  
180 185 190

Leu Cys Ala Gly Ile Pro Asp Ser Lys Lys Asn Ala Cys Asn Gly Asp  
195 200 205

Ser Gly Gly Pro Leu Val Cys Arg Gly Thr Leu Gln Gly Leu Val Ser  
210 215 220

Trp Gly Thr Phe Pro Cys Gly Gln Pro Asn Asp Pro Gly Val Tyr Thr  
225 230 235 240

Gln Val Cys Lys Phe Thr Lys Trp Ile Asn Asp Thr Met Lys Lys His  
245 250 255

Arg

<210> 88  
<211> 276  
<212> PRT  
<213> Homo sapiens

<400> 88

Met Arg Ala Pro His Leu His Leu Ser Ala Ala Ser Gly Ala Arg Ala  
1 5 10 15

Leu Ala Lys Leu Leu Pro Leu Leu Met Ala Gln Leu Trp Ala Ala Glu  
20 25 30

Ala Ala Leu Leu Pro Gln Asn Asp Thr Arg Leu Asp Pro Glu Ala Tyr  
35 40 45

Gly Ala Pro Cys Ala Arg Gly Ser Gln Pro Trp Gln Val Ser Leu Phe  
50 55 60

Asn Gly Leu Ser Phe His Cys Ala Gly Val Leu Val Asp Gln Ser Trp  
65 70 75 80

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